

Converting Colors

$Y_{xy}(27.2070, 0.3623, 0.1816)$

Have a look what the booklet for
Yxy(27.2070, 0.3623, 0.1816)
contains.

Yxy(27.1983, 0.3628, 0.1820)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(27.1983, 0.3628, 0.1820)

Conversions

Conversions Part 1

Format	Color
Hex	FF1ED9
RGB	255, 30, 217
RGB Percent	100%, 12%, 85%
CMY	0.0001, 0.8817, 0.1491
CMYK	0.00, 0.88, 0.15, 0.00
HSL	310°, 100%, 56%
HSV	310°, 88%, 100%
XYZ	54.2173, 27.1983, 68.0256
YIQ	118.5930, 74.0730, 105.8570

Conversions

Conversions Part 2

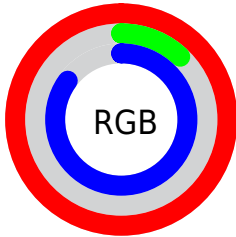
Format	Color
R _Y B	255, 30, 217
Decimal	16719577
CIE Lab	59.16, 90.72, -41.39
CIE LCh	59, 99.714, 335.473
Yxy	27.1983, 0.3628, 0.1820
Android (android.graphics.Color)	4294909657 (0xFFFF1ED9)
YUV	118.5930, 48.5147, 119.6289
Hunter-Lab	52.1520, 94.3028, -40.8299

Details

The Yxy color **27.1983, 0.3628, 0.1820** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **72.1962, 0.2940, 0.5685**, and the grayscale version is **18.1690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8489, 0.3190, 0.1956**, and **13.9461, 0.3664, 0.1792** is the 20% darker color. If you saturate the color by 10%, you get **26.1426, 0.3688, 0.1811**, and if you desaturate by 10%, it is **29.2859, 0.3564, 0.1873**.

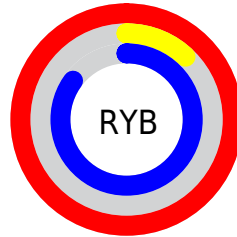
Distribution



Red (100%)

Green (12%)

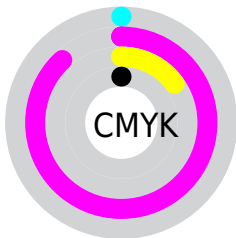
Blue (85%)



Red (100%)

Yellow (12%)

Blue (85%)

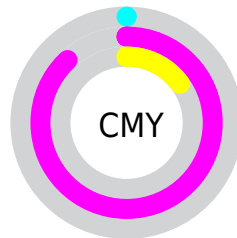


Cyan (0%)

Magenta (88%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (88%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1983, 0.3628, 0.1820 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 27.1983, 0.3628, 0.1820 by changing the saturation by 10% instead.

 27.1983, 0.3628,
0.1820


 27.1983, 0.3628,
0.1820


288.6160, 0.3407,
0.2501

 17.7222, 0.3674,
0.1669


 55.2019, 0.3555,
0.2054


 10.7507, 0.3727,
0.1487


 74.4982, 0.3525,
0.2146


 5.8995, 0.3788,
0.1265


 97.8367, 0.3499,
0.2225

 2.7841, 0.3855,
0.0993

 125.6018, 0.3476,
0.2294

 1.0201, 0.3921,
0.0666

 158.1779, 0.3456,
0.2355

 0.0000, 0.4081,
0.0000

195.9493, 0.3438,

 0.0000, 0.3876,

0.2410

0.0000

239.3006, 0.3422,
0.2458

■ 0.0000, 0.0531,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 27.1983, 0.3628,
0.1820

■ 27.1983, 0.3628,
0.1820

■ 26.1426, 0.3688,
0.1811

■ 29.2859, 0.3564,
0.1873

■ 26.0012, 0.3699,
0.1812

■ 32.6320, 0.3498,
0.1973

■ 37.4065, 0.3432,
0.2114

■ 43.7520, 0.3367,
0.2288

51.7936, 0.3307,
0.2486

61.6441, 0.3252,
0.2696

73.4061, 0.3202,
0.2911

87.1751, 0.3159,
0.3123

99.9936, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.1983, 0.2149, 0.1381



27.1983, 0.3628, 0.1820



27.1983, 0.5317, 0.2509

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



27.1983, 0.3628, 0.1820



27.1983, 0.4633, 0.5330



27.1983, 0.0852, 0.2130

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



27.1983, 0.3628, 0.1820



72.1962, 0.2940, 0.5685

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



27.1983, 0.1191, 0.3754



27.1983, 0.3628, 0.1820



27.1983, 0.3327, 0.6316

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



27.1983, 0.3628, 0.1820



27.1983, 0.5699, 0.4180



27.1983, 0.2089, 0.5890



27.1983, 0.0903, 0.1433

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.1983, 0.3628, 0.1820



27.1983, 0.5993, 0.3022



27.1983, 0.2089, 0.5890



27.1983, 0.0912, 0.2548

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



27.1997, 0.3628, 0.1820



64.0456, 0.3241, 0.2743



9.3711, 0.1663, 0.0747



12.9020, 0.3259, 0.2669



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.1997, 0.3628, 0.1820



26.0091, 0.3699, 0.1812



23.2129, 0.5331, 0.2797



18.2446, 0.3164, 0.3095



13.6097, 0.3690, 0.1806



1.3385, 0.3626, 0.1771

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.1997, 0.3628, 0.1820



26.0091, 0.3699, 0.1812



75.0736, 0.2545, 0.4291



18.2446, 0.3164, 0.3095



13.6097, 0.3690, 0.1806



1.3385, 0.3626, 0.1771

Previews

White Background



This preview shows how the Yxy color 27.1983, 0.3628, 0.1820 looks on a white background.

Color Contrast Check

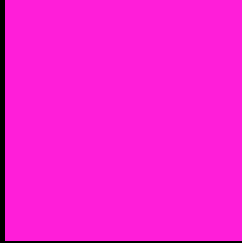
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 27.1983, 0.3628, 0.1820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

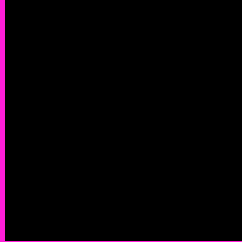
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.1983, 0.3628, 0.1820

Background



This preview shows how black text looks on a background with the Yxy color 27.1983, 0.3628, 0.1820.



This preview shows how white text looks on a background with the Yxy color 27.1983, 0.3628, 0.1820.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

27.1983, 0.3628, 0.1820

Protanopia

27.6637, 0.1981, 0.1761

Deuteranopia

27.3313, 0.2411, 0.2350



Tritanopia

27.1860, 0.5128, 0.3249

Trichromacy



Original Color

27.1983, 0.3628, 0.1820



Protanomaly

21.4776, 0.2320, 0.1540



Deuteranomaly

22.2356, 0.2751, 0.1893



Tritanomaly

25.9548, 0.4616, 0.2637

Monochromacy



Original Color

27.1983, 0.3628, 0.1820



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.5078, 0.3350, 0.2303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1983, 0.3628, 0.1820 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 30, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 30, 217)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 30, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 30, 217) }
```

Border

The CSS property to change the border of an element to Yxy 27.1983, 0.3628, 0.1820 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 30, 217) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 30, 217) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 30, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 30, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 30, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 30,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1983, 0.3628, 0.1820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 30, 217) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 30,  
217) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor